

Title (en)
BIAXIALLY ORIENTED POLYESTER FILM FOR LAMINATING METAL SHEETS

Title (de)
BIAXIAL ORIENTIERTER POLYESTER FILM FÜR DIE LAMINIERUNG AUF METALLBÄNDERN

Title (fr)
FILM DE POLYESTER A ORIENTATION BIAXIALE POUR LA STRATIFICATION DE FEUILLES METALLIQUES

Publication
EP 0962483 A1 19991208 (EN)

Application
EP 98959214 A 19981215

Priority
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• JP 34914497 A 19971218
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• JP 5965298 A 19980311

Abstract (en)
A biaxially oriented polyester film to be laminated onto a metal plate and molded, (A) which comprises a copolyester comprising (a) terephthalic acid in an amount of 82 to 100 mol% and 2,6-naphthalenedicarboxylic acid or a combination of 2,6-naphthalenedicarboxylic acid and other dicarboxylic acid in an amount of 0 to 18 mol% of the total of all dicarboxylic acid components and (b) ethylene glycol in an amount of 82 to 100 mol% and cyclohexanedimethanol or a combination of cyclohexanedimethanol and other diol in an amount of 0 to 18 mol% of the total of all diol components, having (c) a glass transition temperature of 78 DEG C or more and (d) a melting point of 210 to 250 DEG C, and containing (e) porous silica particles with a pore volume of 0.5 to 2.0 ml/g which are agglomerates of primary particles having an average particle diameter of 0.001 to 0.1 μ m; and (B) which has the following relationship between the highest peak temperature (Te, DEG C) of loss elastic modulus and the glass transition temperature (Tg, DEG C): <MATH> This film has improved taste-and-flavor retainabilities, particularly taste and flavor retainabilities after a retort treatment, without losing the excellent moldability, heat resistance, impact resistance and retort resistance of a copolyester film.

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IPC 8 full level
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Cited by
KR100716478B1; EP2221336A1; KR101239995B1; CN109562600A; US6617006B1; US7524920B2; WO2018025057A1; WO0149778A1; WO2006066040A1; WO2018025058A1

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